

the data is associated with an application, the computer-implemented framework comprising:

a data handler mechanism arranged to interface with the application;  
a data retriever mechanism in communication with the data handler mechanism, the data retriever mechanism being arranged to obtain the data and to pass the data to the data handler mechanism; and  
a mapping mechanism in communication with the data handler mechanism, the mapping mechanism being arranged to obtain the command object, wherein the command object is obtained by the mapping mechanism based substantially on the data.

*SNB B3*  
9. (Amended) A computer-implemented method for associating data with a command object in response to a request from an application, the method comprising:

accessing the data through an interface in response to the request from the application, the interface being independent from the application and in communication with the application, wherein the request from the application is processed by the interface;

accessing a mapping mechanism which is in communication with the interface, the mapping mechanism being independent from the application, the mapping mechanism being arranged to locate a command object that is appropriate for the data, wherein the mapping mechanism is accessed by the interface;

obtaining the command object that is appropriate for the data, wherein the mapping mechanism obtains the command object and passes the obtained command object to the interface;

binding the command object to the data, wherein the interface binds the command object to the data; and

returning the command object to the application, wherein the interface returns the command object to the application.

*SNB B3*  
16. (Amended) A [computer-readable medium] computer program product [containing computer-readable program code devices] for associating data with a command object in response to a request from an application, the computer program

product comprising [computer-readable medium comprising computer program code devices configured to cause a computer to execute the steps of]:

computer code for accessing the data through an interface in response to the request from the application, the interface being independent from the application and in communication with the application, wherein the request from the application is processed by the interface;

computer code for accessing a mapping mechanism which is in communication with the interface, the mapping mechanism being independent the mapping mechanism being arranged to locate a command object that is appropriate for the data, wherein the mapping mechanism is accessed by the interface;

computer code for obtaining the command object that is appropriate for the data, wherein the mapping mechanism obtains the command object and passes the obtained command object to the interface;

computer code for binding the command object to the data, wherein the interface binds the command object to the data; [and]

computer code for returning the command object to the application, wherein the interface returns the command object to the application; and

a computer-readable medium that stores the computer codes.

17. (Amended) A [computer-readable medium] computer program product as recited in claim 16 wherein the computer [program] code [devices configured to cause the computer to access] for accessing the data through an interface includes [include computer program code devices configured to cause a computer to execute the steps of]:

computer code for passing a stream of bytes to a data content handler mechanism arranged to create a data object from the stream of bytes; and

computer code for passing the data object to the interface, wherein the data is the data object.

18. (Amended) A [computer-readable medium] computer program product as recited in claim 17 wherein the data object is created using the Java<sup>TM</sup> programming language, and the command object is a Java<sup>TM</sup> command object.

*Subj*

19. (Amended) A [computer-readable medium] computer program product as recited in claim 16 further including computer [program] code [devices configured to cause the computer to operate] for operating on the data using the command object.

*Subj*

20. (Amended) A [computer-readable medium] computer program product as recited in claim 16 wherein the command object that is appropriate for the data is selected from a set of command objects associated with a command list, the command list being associated with the data, the [computer-readable medium] computer program product further including computer code [devices configured to cause the computer to access] for accessing the command list through the interface.

**Please add the following new claims.**

*Subj*

21. (New) A computer-implemented framework according to claim 1 wherein the command object is obtained by the mapping mechanism based substantially on the data without an external input from a user of the application.

*Subj*

22. (New) A computer-implemented framework according to claim 1 wherein the command object is obtained by the mapping mechanism based substantially on the data without directly involving the application.

*Subj*

23. (New) A computer-implemented framework for associating data with a command object, the command object being arranged to operate on the data, wherein the data is associated with a selected application, the computer-implemented framework comprising:

    a data handler mechanism arranged to interface with a plurality of applications, the plurality of applications including the selected application, wherein the data handler mechanism is independent from the plurality of applications;

    a data retriever mechanism in communication with the data handler mechanism, the data retriever mechanism being arranged to obtain the data and to pass the data to the data handler mechanism; and

    a mapping mechanism in communication with the data handler mechanism, the mapping mechanism being arranged to obtain the command object, wherein the